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 <400> 27402

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 <400> 27403

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 <212> DNA
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 <212> DNA
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<400> 27410

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<210> 27411
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 <212> DNA
 <213> Aspergillus nidulans

<400> 27411

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<210> 27412
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 <213> Aspergillus nidulans

<400> 27412

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<212> DNA
<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

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 <212> DNA
 <213> Aspergillus nidulans

<400> 27417

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<400> 27418

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<210> 27420
<211> 288
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<213> Aspergillus nidulans

<400> 27420
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<212> DNA
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<210> 27425
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 <213> Aspergillus nidulans

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<400> 27426

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435

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<212> DNA
<213> Aspergillus nidulans

<400> 27427

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<212> DNA
<213> Aspergillus nidulans

<400> 27428

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 <211> 977
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27429

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<400> 27430

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gttgaatccg accgtcgtcg ctctgatgat tacgatatcg agctggcctc gacatcgaca 180

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gcgagcgcgc accccgagct cgcgacggcc gtcgactact caaccagggc gaaaaatgcc 240
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gatggtaaat ag 312

<210> 27431
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27431

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<210> 27432
<211> 518

<212> DNA
 <213> Aspergillus nidulans
 <400> 27432
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<210> 27433
 <211> 387
 <212> DNA
 <213> Aspergillus nidulans
 <400> 27433
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 cgcatatgca agttcttacc cagttctcag tcaagagaag ctcttagcga tgtgaccac 180
 accaacaggg tgcttaaaga aaccctagaa ggcaatcaga aaccgaccac caacagcaac 240
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 <213> Aspergillus nidulans
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 ttgactgaca tgggtgatgc cttgttggac gagacattgc cgttcaatth ctgggagacg 180
 tgggggcaga tgtgggttgt tttttagat ggaacaattc ttgagaatgg tgcccagaaa 240
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 ttggcacgcg acgcttag 318

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 <211> 405
 <212> DNA
 <213> *Aspergillus nidulans*

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 cgtggacacg gcgccagccc cggcacaagc acgggtcccg gcagcgtcgt cgatttcccg 180
 ctcagccagc aatcgttcga tttcgagcct tcgtcgtcgt acagcaatgg cccctacttc 240
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 tcctaccggg cgagctcgaa cccgggctgt tcgccacct ccatgcttgt cgagcagtcg 360
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<210> 27436
 <211> 306
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27436
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 tttggcgata tcgaggcccg cacggtgaac cgtgacttcg tggagtactg gtttgaaaat 180
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<210> 27437
 <211> 708
 <212> DNA
 <213> Aspergillus nidulans

<400> 27437

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aagtcgata cgaagtccaa atctccttcc gacagcaacg tcaagggcaa gaaacgggat  300
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ttgcttgccg gtgtcgattc agagtcggaa gtcgaggaca caaagccctc caagaaatcg  480
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gaagagaatg aagatgaaga tggagaggga gaagcggcgg acgaggccga gtctgctgaa  660
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<210> 27438
 <211> 846
 <212> DNA
 <213> Aspergillus nidulans

<400> 27438

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ctccccgcac gcacgccctt tctcactgaa gccatggccc agaccgggca gagcacaatg  180
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acgcgagact tctgtatccg ccagaattgg ctgtcgaatg cagtggaccg gcgagtccag  360
atgctacagc aggtctcctc gcccgctgtt gacagcgacc cgatgctgct cttcacgcag  420
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 <211> 984
 <212> DNA
 <213> Aspergillus nidulans

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 gcgagaatag atcaggatgg ggcaagcttg caacgattgg aatcgtcctc ggtgcgattg 720
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 gctcaagaaa ttatcccgt aacagtcttt agcgagcgag agctcagacc gacgaaccg 900
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<212> DNA
<213> Aspergillus nidulans

<400> 27440

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gtcgtagact tcctagcatt cctcagcaat tga 213

<210> 27441
<211> 240
<212> DNA
<213> Aspergillus nidulans

<400> 27441

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ggcaccggta ctgctgcagc cacaacacca acaaggagca aagcgtcacc ttcggcgttt 180
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<210> 27442
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<212> DNA
<213> Aspergillus nidulans

<400> 27442

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gcgactgaat ccaaaagcga acaaagccga cgaattcata gtgcaaaacc cggcgacgcg 180
tcggattctt ttgactcgac aaactcaaac tctacccga actcagcgta cgattcgcaa 240
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gggctgtga 309

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 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 27443

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 cggatcccg catccatatt agagcaaaag tcccaaatca gcgcacaagg tcatag 356

<210> 27444
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 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 27444

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 <213> *Aspergillus nidulans*

 <400> 27445

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caggagaaaa gggacccttt aggatgggta ccgttgcgca gaacctcgat ggctgcggaa 180
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<210> 27446
 <211> 347
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27446
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<210> 27447
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 27448
 <211> 648
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27448
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 gcagcgacgg agaaggagac caacaagcgc accaagaagc gcaagccggt cgttgctgaa 600
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<210> 27449
 <211> 471
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27449

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 cttgaccctt ctactgcgcc aggcactggg acacccgagc ccggtggctg gacaaccctg 180
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 tatggacgta aggaaagcgt taccaggag tctgttccag tggttgatgc tgaagctgaa 420
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<210> 27450
 <211> 339
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27450
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 aacttcatcg gtgttcccggt cgcgtacttc ttctttgtcg agaccgctgg ccgtgagctg 120
 gaggaaattg acatcatcta cgccaaggcc cacgtcgaga agcgcacgcc tttccgcgtc 180
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<210> 27451
 <211> 765
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27451
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 tggctggtgt acttcggtct catggccatc ttcgtcttcc tgcaggcctt cccgacggtc 180
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ttctacatgc tcaagatcgt cgccaaaacg gcgtcgggta tccactcgcg cctcttaaga 360
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 27452

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 gatgtcaaga ccatctgctc tgagtcccag ggcactagca acagcgccga ggagaccgag 720
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<210> 27453
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<212> DNA
<213> Aspergillus nidulans

<400> 27453

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<210> 27454
<211> 648
<212> DNA
<213> Aspergillus nidulans

<400> 27454

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<210> 27455
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27455

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<212> DNA
<213> *Aspergillus nidulans*
<400> 27456

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<210> 27457
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 <213> *Aspergillus nidulans*

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<210> 27458
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27458

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<210> 27459
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27459
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<210> 27460
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 27461
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27461
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 27462

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<210> 27463
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 <212> DNA
 <213> Aspergillus nidulans

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 <212> DNA
 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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<212> DNA

<213> *Aspergillus nidulans*

<400> 27481

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<400> 27483

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<212> DNA
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<400> 27484

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<210> 27485

<211> 1080

<212> DNA

<213> *Aspergillus nidulans*

<400> 27485

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<400> 27487

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<400> 27488

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<400> 27489

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 <213> Aspergillus nidulans

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<400> 27491

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<400> 27492

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<400> 27493

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<212> DNA
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<400> 27496

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<400> 27497

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<400> 27498

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<400> 27499

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<400> 27502

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 <212> DNA
 <213> Aspergillus nidulans

<400> 27503

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 <212> DNA
 <213> Aspergillus nidulans

<400> 27504

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<210> 27505

<211> 363

<212> DNA

<213> *Aspergillus nidulans*

<400> 27505

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<210> 27506
<211> 915
<212> DNA
<213> *Aspergillus nidulans*
<400> 27506

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<210> 27507
<211> 636

<212> DNA
 <213> Aspergillus nidulans

<400> 27507

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<210> 27508
 <211> 477
 <212> DNA
 <213> Aspergillus nidulans

<400> 27508

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 aagtgcacgc aggagcgtgt caaacccgc cagggtctaa tggaaatcgc cgaggataac 420
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<210> 27509
 <211> 729

<212> DNA
 <213> Aspergillus nidulans

<400> 27509

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 aacaacgcgg ctccgcagta ctctcactcc ttccagtctg ttcttgcgag ctcgtttaca 240
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<210> 27510
 <211> 672
 <212> DNA
 <213> Aspergillus nidulans

<400> 27510

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<210> 27511
<211> 453
<212> DNA
<213> *Aspergillus nidulans*

<400> 27511

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<210> 27512
<211> 1476
<212> DNA
<213> *Aspergillus nidulans*

<400> 27512

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<210> 27513
 <211> 717
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27513

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 caggcggaga taatggaggc ggccggcgaag gctgtgcatg cggctgcaaa gagggatgaa 660
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<210> 27514
 <211> 528
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27514
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 aagagcttca ggctcatggg agtggacgga ctgagagtgg cggatatgag tgtcgtcccc 420
 gtcctggcaa acaaccacac ccaggccacg gcgtacgtta cgggctcgac ggcggcggac 480
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<210> 27515
 <211> 648
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27515
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 aagggcgaga agccaatctg gcgtcagaag gctgagtacc ctttgactc gaccgtcaag 180

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<210> 27516
<211> 612
<212> DNA
<213> *Aspergillus nidulans*

<400> 27516
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<210> 27517
<211> 1053
<212> DNA
<213> *Aspergillus nidulans*

<400> 27517

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<210> 27518
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27518

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<210> 27519
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27519
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<210> 27520
 <211> 561
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27520
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<210> 27521
<211> 948
<212> DNA
<213> *Aspergillus nidulans*

<400> 27521

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<400> 27522

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 <213> Aspergillus nidulans

<400> 27525

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 <213> Aspergillus nidulans

<400> 27526

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<213> *Aspergillus nidulans*

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<210> 27529
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 27529

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<212> DNA
<213> Aspergillus nidulans

<400> 27530

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<210> 27532
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 <213> *Aspergillus nidulans*
 <400> 27532

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<210> 27533
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27533

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<210> 27534

<211> 948

<212> DNA

<213> *Aspergillus nidulans*

<400> 27534

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acgacgactg acaaggtctg caagtacttc attgaggccg tcgagaacca gaaatacggc 480

tggttctggg tgtgtccgaa tggaggtgat aagtgcattg acaagcatag tttgccgcct 540

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<210> 27535
<211> 903
<212> DNA
<213> Aspergillus nidulans

<400> 27535

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<210> 27536
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 <212> DNA
 <213> Aspergillus nidulans

<400> 27536

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<210> 27537
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 <212> DNA
 <213> Aspergillus nidulans

<400> 27537

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<210> 27538
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 <212> DNA
 <213> Aspergillus nidulans

<400> 27538

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 aatatgcaca tgctgcttcg gccctatgac gagcgataca agctacacca gcgcatggaa 180
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<210> 27539
 <211> 1500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27539

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<210> 27540
 <211> 321
 <212> DNA
 <213> Aspergillus nidulans

<400> 27540

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gacaagctca aaaccggcga ccacgactgc gagaacaaac tcacggggat cagagcgagg 240
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<210> 27541

<211> 633

<212> DNA

<213> *Aspergillus nidulans*

<400> 27541

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<210> 27542

<211> 987

<212> DNA

<213> *Aspergillus nidulans*

<400> 27542

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<210> 27543
<211> 438
<212> DNA
<213> *Aspergillus nidulans*

<400> 27543

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438

<210> 27544
<211> 777
<212> DNA
<213> *Aspergillus nidulans*

<400> 27544

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<211> 1287
<212> DNA
<213> *Aspergillus nidulans*

<400> 27545

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<210> 27546
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27546

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<210> 27547
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 27548
 <211> 615
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27548
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 <211> 993
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27549
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<210> 27550
<211> 1041
<212> DNA
<213> *Aspergillus nidulans*

<400> 27550

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<210> 27551
 <211> 582
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 27551

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 gctattcggc gcggtgagac ggctgttgtg acgccaaccc tcaaagaaat cttgggcagg 540
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<210> 27552
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<212> DNA
<213> Aspergillus nidulans

<400> 27552

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<210> 27553
<211> 1050
<212> DNA
<213> Aspergillus nidulans

<400> 27553

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<210> 27554
<211> 699
<212> DNA
<213> *Aspergillus nidulans*

<400> 27554

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<210> 27555
<211> 1017
<212> DNA
<213> *Aspergillus nidulans*

<400> 27555

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<210> 27556
 <211> 432
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27556

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cctaggatat aa 432

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<212> DNA
<213> Aspergillus nidulans
<400> 27557

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<213> *Aspergillus nidulans*
<400> 27558

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<212> DNA
<213> *Aspergillus nidulans*
<400> 27559

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 <213> Aspergillus nidulans

<400> 27560

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 <213> Aspergillus nidulans

<400> 27561

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 <213> Aspergillus nidulans

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 <212> DNA
 <213> Aspergillus nidulans

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<212> DNA
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<210> 27565
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<212> DNA
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273

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<400> 27566

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<212> DNA
<213> Aspergillus nidulans

<400> 27567

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<400> 27568
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27569

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<210> 27570
 <211> 1008
 <212> DNA
 <213> Aspergillus nidulans

<400> 27570

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 <212> DNA
 <213> Aspergillus nidulans

<400> 27571

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1809

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<211> 423
<212> DNA
<213> Aspergillus nidulans

<400> 27572

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<210> 27573
<211> 585
<212> DNA
<213> Aspergillus nidulans

<400> 27573

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 <213> Aspergillus nidulans

<400> 27574

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 <213> Aspergillus nidulans

<400> 27575

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<210> 27577
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 <212> DNA
 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*
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609

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<211> 405
<212> DNA
<213> Aspergillus nidulans

<400> 27579

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<212> DNA
<213> Aspergillus nidulans

<400> 27580

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<210> 27581
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<212> DNA
<213> Aspergillus nidulans

<400> 27581

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<210> 27582

<211> 333

<212> DNA

<213> *Aspergillus nidulans*

<400> 27582

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<210> 27583

<211> 1044

<212> DNA

<213> *Aspergillus nidulans*

<400> 27583

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<400> 27585

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<400> 27587

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<400> 27588

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 <213> *Aspergillus nidulans*

<400> 27596

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<210> 27597
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 <213> *Aspergillus nidulans*

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27599

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<210> 27600
 <211> 237
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27600

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 cagcgcatca aggacgcctt cctcaggggc cgtggctccg tccgcgctct ggttattaac 180
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<210> 27601
 <211> 1170
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27601

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<210> 27602
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 27603
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27603

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 <212> DNA
 <213> Aspergillus nidulans

<400> 27604

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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 27606
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27606

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<210> 27607

<211> 468

<212> DNA

<213> *Aspergillus nidulans*

<400> 27607

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<210> 27608
<211> 384
<212> DNA
<213> Aspergillus nidulans

<400> 27608

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<210> 27609
<211> 732
<212> DNA
<213> Aspergillus nidulans

<400> 27609

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<210> 27610
 <211> 1149
 <212> DNA
 <213> Aspergillus nidulans

<400> 27610

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1149

<210> 27611
<211> 366
<212> DNA
<213> *Aspergillus nidulans*

<400> 27611

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<211> 483
<212> DNA
<213> *Aspergillus nidulans*

<400> 27612

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<210> 27613
<211> 489

<212> DNA
<213> Aspergillus nidulans

<400> 27613

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<210> 27614
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<212> DNA
<213> Aspergillus nidulans

<400> 27614

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<212> DNA
<213> Aspergillus nidulans

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<210> 27616
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<212> DNA
<213> Aspergillus nidulans

<400> 27616

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<210> 27617

<211> 270

<212> DNA

<213> *Aspergillus nidulans*

<400> 27617

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<210> 27618

<211> 1065

<212> DNA

<213> *Aspergillus nidulans*

<400> 27618

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 <213> *Aspergillus nidulans*
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 <212> DNA
 <213> Aspergillus nidulans

<400> 27620

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 <213> Aspergillus nidulans

<400> 27621

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 <400> 27622

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27623

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 <400> 27624

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<213> *Aspergillus nidulans*

<400> 27625

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<400> 27626

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<210> 27627
 <211> 702
 <212> DNA
 <213> Aspergillus nidulans

<400> 27627

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 aatcctcctc tgcgccgaac agaactagta gccttgatca acacgctagg ccgtatatcc 240

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<210> 27628
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 <213> *Aspergillus nidulans*

<400> 27628
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 aacatcgacg ttgccagat ggacaccgct ggccgtcgtc ataaagatca gcgcctcatg 240
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<210> 27629
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 27630
 <211> 1056
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 27631
<211> 528
<212> DNA
<213> *Aspergillus nidulans*
<400> 27631

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<210> 27632
<211> 1326
<212> DNA
<213> *Aspergillus nidulans*

<400> 27632

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<210> 27633

<211> 576

<212> DNA

<213> *Aspergillus nidulans*

<400> 27633

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<210> 27634

<211> 546

<212> DNA

<213> *Aspergillus nidulans*

<400> 27634

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tccgaagaag gcccgtcgca acgtacaatc ttcttcttct tcagagcttg cgagaagcac 360

cataacggta cacatgaggc tatgaaaatg gtggagaaaa tgaaacgcct tgagattgcc 420

ttcgaccgcc ggttatacac agcttatgtg gaagccttag ctgcgcagtg tgagttcgac 480

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<210> 27635

<211> 1176

<212> DNA
<213> Aspergillus nidulans

<400> 27635

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<210> 27636
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<212> DNA
<213> Aspergillus nidulans

<400> 27636

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<210> 27637
 <211> 567
 <212> DNA
 <213> Aspergillus nidulans

<400> 27637

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<210> 27638

<211> 234

<212> DNA

<213> *Aspergillus nidulans*

<400> 27638

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<210> 27639

<211> 1563

<212> DNA

<213> *Aspergillus nidulans*

<400> 27639

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 <211> 678
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 <213> Aspergillus nidulans
 <400> 27640

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 <212> DNA
 <213> Aspergillus nidulans

<400> 27641

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<210> 27642
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27642

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<212> DNA
<213> Aspergillus nidulans

<400> 27643

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<210> 27644
<211> 228
<212> DNA
<213> Aspergillus nidulans

<400> 27644

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<210> 27645
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<212> DNA
<213> Aspergillus nidulans

<400> 27645

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<212> DNA
<213> *Aspergillus nidulans*

<400> 27646

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<210> 27647
 <211> 1200
 <212> DNA
 <213> Aspergillus nidulans

<400> 27647

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<210> 27648
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27648

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<210> 27649
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27649

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<210> 27650
<211> 447
<212> DNA
<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

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<213> *Aspergillus nidulans*
<400> 27652

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543

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<212> DNA
<213> Aspergillus nidulans

<400> 27654

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<211> 471
<212> DNA
<213> Aspergillus nidulans

<400> 27655

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<210> 27656
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<212> DNA
<213> Aspergillus nidulans

<400> 27656

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<210> 27657
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 <212> DNA
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<400> 27657

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 27659

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<212> DNA
<213> Aspergillus nidulans

<400> 27661

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<210> 27662
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<212> DNA
<213> Aspergillus nidulans

<400> 27662

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cccgagatgg acgaccgcaa gaagatggga ttcaaggcca tcaactctct taccggtctt 480
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<210> 27663
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27663

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<211> 729
<212> DNA
<213> Aspergillus nidulans

<400> 27664

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<400> 27665

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 <400> 27666

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 <212> DNA
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<400> 27667

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 <212> DNA
 <213> Aspergillus nidulans

<400> 27668

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<213> *Aspergillus nidulans*

<400> 27669

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27670

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<210> 27671
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27671

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 <211> 801
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27672

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<210> 27673
<211> 483
<212> DNA
<213> Aspergillus nidulans

<400> 27673

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tag 483

<210> 27674
<211> 1284
<212> DNA
<213> Aspergillus nidulans

<400> 27674

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<211> 408
<212> DNA
<213> *Aspergillus nidulans*
<400> 27675

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<210> 27676
 <211> 897
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27676

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<210> 27677
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<212> DNA
 <213> Aspergillus nidulans
 <400> 27677

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<210> 27678
 <211> 582
 <212> DNA
 <213> Aspergillus nidulans

<400> 27678

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<210> 27679
 <211> 1224
 <212> DNA
 <213> Aspergillus nidulans

<400> 27679

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27680

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<210> 27681
 <211> 366
 <212> DNA
 <213> Aspergillus nidulans

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 <212> DNA
 <213> Aspergillus nidulans

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<210> 27683
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 <212> DNA
 <213> Aspergillus nidulans
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<210> 27685
<211> 483
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 27685

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tag 483

<210> 27686
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<212> DNA
<213> Aspergillus nidulans
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<210> 27687
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 27687

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<210> 27688

<211> 1161
 <212> DNA
 <213> Aspergillus nidulans

<400> 27688

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<210> 27689
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 27689

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<210> 27690
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 <212> DNA
 <213> Aspergillus nidulans

<400> 27690

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 <213> Aspergillus nidulans

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<210> 27692
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 <213> Aspergillus nidulans

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<210> 27693
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 <213> *Aspergillus nidulans*

<400> 27694

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27695

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<211> 273
<212> DNA
<213> Aspergillus nidulans

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<210> 27697
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<212> DNA
<213> Aspergillus nidulans

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 <212> DNA
 <213> Aspergillus nidulans

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 <212> DNA
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<400> 27701

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<210> 27702

<211> 354

<212> DNA

<213> *Aspergillus nidulans*

<400> 27702

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<210> 27703

<211> 516

<212> DNA

<213> Aspergillus nidulans

<400> 27703

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<210> 27704

<211> 456

<212> DNA

<213> Aspergillus nidulans

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<210> 27705

<211> 360

<212> DNA

<213> Aspergillus nidulans

<400> 27705

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 aaccgtatct ccagcatcgt cattttcaac cgcctcacca agaaggaaat ccgcaaaatt 180
 gttgacctcc ggctcgatga ggtccagcgc cgcctcgagc aaaatggccg caacgtcgtc 240
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<210> 27706
 <211> 456
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27706
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<210> 27707
 <211> 291
 <212> DNA
 <213> *Aspergillus nidulans*

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<400> 27708

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<400> 27709

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<400> 27710

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<400> 27711

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<400> 27712

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<213> Aspergillus nidulans

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<210> 27714

<211> 306

<212> DNA

<213> Aspergillus nidulans

<400> 27714

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<210> 27715

<211> 2073

<212> DNA

<213> Aspergillus nidulans

<400> 27715

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 <213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans
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951

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<213> *Aspergillus nidulans*

<400> 27722

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<211> 450
<212> DNA
<213> Aspergillus nidulans

<400> 27723

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<210> 27724
<211> 525
<212> DNA
<213> Aspergillus nidulans

<400> 27724

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tctggagaga ctgcggactc gcttatggct ctccgttact gtcttgaacg tggagcttta 180
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gttgctatgg taatgttcgc tctctcgctc agcgaagacc gagcttcaaa gcagaagaga 360
cgtgaggaaa tcatggaggg gctctctaaa atatccgac aatttagaga aattctgaaa 420

ctcaacgagc ccatcaagca gatgtgagcg cgctttttca aaaatcagaa gagcttgctt 480
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<210> 27725
 <211> 1281
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27725

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 aagctggggc caaggctggc gcatgttctc gacttagacg tcgggtcggg ccactggccc 180
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1281

<210> 27726
<211> 1074
<212> DNA
<213> Aspergillus nidulans

<400> 27726

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caaattgtga acgagacgcc gcatacgaag attgggcagc atcataccct tgacctagag 180
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<210> 27727
<211> 378
<212> DNA
<213> Aspergillus nidulans

<400> 27727

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gtcagcaact ttgtgcaatc agcgaacgtg aataaccagg ttgtcaactc gctggccttg 180
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<210> 27728
<211> 777
<212> DNA
<213> Aspergillus nidulans

<400> 27728

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<210> 27729
<211> 543
<212> DNA
<213> Aspergillus nidulans

<400> 27729

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gctgacccgt ccatcacaac cggatatctt gcgcacgacc gcgccctagc atgtcgaacc 180

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ttgaagtttg ggaagaaatg ggggctgaag gtgtgtacta ttgaggattt ggttgagtat 480

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<210> 27730

<211> 441

<212> DNA

<213> *Aspergillus nidulans*

<400> 27730

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tgcgccatta ccgttgctgc tgctattttc ctgggcgtca gattggctcg tacgggagta 420

aatcttgccg ttagggctta a 441

<210> 27731

<211> 1164

<212> DNA

<213> *Aspergillus nidulans*

<400> 27731

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 ggagtctacc gcgtcggcaa accgcttcct catctgaatg gacaccagct ccatactac 240
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<210> 27732
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 <212> DNA
 <213> Aspergillus nidulans

 <400> 27732

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<210> 27733
 <211> 1458
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27733

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<210> 27734
 <211> 678
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 27734

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<210> 27735
<211> 864
<212> DNA
<213> *Aspergillus nidulans*

<400> 27735

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<210> 27736
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 <212> DNA
 <213> Aspergillus nidulans

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<210> 27737
 <211> 1146
 <212> DNA
 <213> Aspergillus nidulans

<400> 27737
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<210> 27738
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 27739
 <211> 540
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27739
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 agggcacgag tcgccttatg ccgcaatcgt ccttggtgctc actggtacct ggatttgggc 480
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<210> 27740
 <211> 753
 <212> DNA
 <213> Aspergillus nidulans
 <400> 27740

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<210> 27741
 <211> 450
 <212> DNA
 <213> Aspergillus nidulans
 <400> 27741

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<210> 27742
<211> 621
<212> DNA
<213> Aspergillus nidulans

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<210> 27743
<211> 1797
<212> DNA
<213> Aspergillus nidulans

<400> 27743
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caaactctca ttgtagtagc attcattgtc gctgggggtcc cegtttatat ctggcgcatt 1740
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<210> 27744
<211> 321
<212> DNA
<213> Aspergillus nidulans

<400> 27744

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<210> 27745
<211> 624
<212> DNA
<213> Aspergillus nidulans

<400> 27745

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<210> 27746
 <211> 513
 <212> DNA
 <213> Aspergillus nidulans

<400> 27746

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<210> 27747
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 <212> DNA
 <213> Aspergillus nidulans

<400> 27747

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aatcattcg acgaacaggg tcctgtcatg agccagccag gcaacgagta ccggggactg  600
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attagagaga tgctccgcag cgtcttttgt gtgccgaagc gtggcgtcaa gggatatgaag 660
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aagcctgcgc acaaccccaa ggacggtcca tag 813

<210> 27748
<211> 912
<212> DNA
<213> Aspergillus nidulans

<400> 27748

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<210> 27749
<211> 870
<212> DNA
<213> Aspergillus nidulans

<400> 27749

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<210> 27750

<211> 522

<212> DNA

<213> *Aspergillus nidulans*

<400> 27750

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<210> 27751
 <211> 795
 <212> DNA
 <213> Aspergillus nidulans

<400> 27751

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<210> 27752
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 <212> DNA
 <213> Aspergillus nidulans

<400> 27752

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<210> 27753
 <211> 1917
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27753

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<210> 27754
 <211> 834
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27754

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 gccgccaatc tccaaaaggc caaggagggtg ctggtatctg agtcaactga ctcatcgcta 180

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ttctacatta tctgccaga tgatgatgtt gatcgagctt tggatcaggc acggatgcag 720
tggggttgtg aggatattct ggaggatcgc ccggcgtgt cgagggtggga ggagggttg 780
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<211> 807
<212> DNA
<213> *Aspergillus nidulans*
<400> 27755

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<210> 27756
<211> 387
<212> DNA
<213> *Aspergillus nidulans*

<400> 27756

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cttttcgcgc aacaactcgc cgacattaac accagcaatg gcaaggctat gttcgcctttt 180
gccagtatta ccgtcttgta tgccttcggg tccccgcgca ctcttgagcc gggtagttct 240
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<210> 27757
<211> 777
<212> DNA
<213> *Aspergillus nidulans*

<400> 27757

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aacccaaaca agtcggccaa gagtctcgcg cttgaggcga tgaaggcgtt gattgcgtgg 600

cagcctattc cgggaaagaa atcggctcgc cgcggtgacg aactgactc cgagggtag 660
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<210> 27758
 <211> 546
 <212> DNA
 <213> Aspergillus nidulans

<400> 27758

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 cagtcgaaca acctggggtg gcttgaatcg ttctgagct caaactctga ctctggaacc 180
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 acaataaccg gcaactgctaa tactgggtgtt gctacgggtg cagcttcgac taccacaaag 360
 cagtcaactg tagccgaagt taccgcctct gcaactacgg agtcgcagcc aaccgcaact 420
 agcacctcgt ctctacgag agaggacact gatctctccg gtattctggg aagtcttctt 480
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<210> 27759
 <211> 486
 <212> DNA
 <213> Aspergillus nidulans

<400> 27759

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 cccagcttca gaaactacag catcacgaat gatcagaccc gtgaagcggt tccccagtg 180
 aaagctacga ttaccaagta taaatttggt gtcttgatg acagccaaat tctggctgac 240
 gagcaagcga gaaaggatcat gattcacgcc gaaaccgccg cagagacaac ggtcggtagc 300
 tacaacaatg aatatgtgtt tattcttcga atggcagagg attgcaacac ggtggatgaa 360

atctgggagt tttatgatac cattcgtcta caggaccttc gtcacaggct ggaggccagc 420
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<210> 27760
<211> 561
<212> DNA
<213> Aspergillus nidulans

<400> 27760

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atctacccgt tgccacacac ctacgtcgtc aaggatctcg tccccgattt gaccagatc 180
tacaagcagt acaagtcgat caagccttac ctgcagcgcg ataccaagac cgaagatggc 240
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gccgagcgca agcacgccat tgacaacagc atgagcgtgt accgttgcca cactatcctt 480
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<210> 27761
<211> 1014
<212> DNA
<213> Aspergillus nidulans

<400> 27761

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<210> 27762
 <211> 408
 <212> DNA
 <213> Aspergillus nidulans

<400> 27762

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 gacgccgttg ttggttccgg ccccttcgag cagcccacc tgtctcaaatt cccctacacc 240
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<210> 27763
 <211> 1047
 <212> DNA
 <213> Aspergillus nidulans

<400> 27763

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<210> 27764
 <211> 318
 <212> DNA
 <213> Aspergillus nidulans

<400> 27764
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 gaagtggatga tagacagctg gaaaacgatg gtctcgacga cggcaaagca agacaagaag 180
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 atggttgacc gctggtga 318

<210> 27765
 <211> 309
 <212> DNA
 <213> Aspergillus nidulans

<400> 27765

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<210> 27766
 <211> 450
 <212> DNA
 <213> Aspergillus nidulans

<400> 27766

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 ctaccattcc aggaaaatct tgacgccgag aacgaatcca ccgattttaa cagccccctcc 180
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 aaccggccgg agccggttaa tgatgtttga 450

<210> 27767
 <211> 792
 <212> DNA
 <213> Aspergillus nidulans

<400> 27767

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<210> 27768
<211> 822
<212> DNA
<213> Aspergillus nidulans

<400> 27768

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<210> 27769
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<212> DNA
<213> Aspergillus nidulans
<400> 27769

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<210> 27770
<211> 483
<212> DNA
<213> Aspergillus nidulans
<400> 27770

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<210> 27771
 <211> 699
 <212> DNA
 <213> Aspergillus nidulans

<400> 27771
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 ggctttcaag cggacgatct caagagctcc gataaatcat tcaccttcct ccatgcccta 180
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 ggccgtgata ccaccgtgc aaccctttcc tgggcttttt acgaactctc ccattatcca 300
 gaagcctact cgaagctccg cgcgagatc ctcgacaagg tcggccccac tcgcgctcct 360
 acatacgacg acctcaaaaa tatgccctac ctccggcaca ccatcaacga agtcctccgc 420
 ctctatccag ccgtgcccta caacatccgc ttccgacctaa cagacacaac cctccctata 480
 ggccggcgag taaacggcga tctcccgata acaatcctga aaggtagcgc agtggcctac 540
 tccacatacg ccatgcaacg ccgcgcagac ctctatcctc ctgtttctga gaagtttgcg 600
 gaccgggcta tattctcacc agagcgggtg gagagatggg gtatccattg tgaggatcct 660
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<210> 27772
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 <212> DNA
 <213> Aspergillus nidulans

<400> 27772

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accgcgctca gcaaggaccc ggctacgttt gtccgtcgct ggattaactc tcaacgcaga 180

gacctcgaga cgatccttgg cgaagctacc cggggtggtg gcgaggatgc cagtgggccc 240

gagttccgac gtggtggctc aaacagcggt tgggatacgg ctgttgctca cgaggctgtg 300

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<210> 27773

<211> 507

<212> DNA

<213> *Aspergillus nidulans*

<400> 27773

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gtcatcgacg agacactccc tggctggggc agctggactg gagacggcat tagcaggaag 180

gaaaggaagc ggcagaagcg cgttttgaca aagggtgagg gagtgaagcc cgaaaatcgg 240

aaggatgcga aactttctcg tgttatcatc aacgaaaagc gtattaagaa ggtaaaggct 300

tttatcgatt tcgcacccat cgacaacaac aagtaccttg cgacgcaact gcctcaccog 360

ttcgagtcga agcagcagta cgagaggctg cttcgtgtcc cgattggtcc cgagtgggtc 420

aaaaggaga ctttccagtc ttctaccaag ccccggttta tgatcaaaca gggcgctcatc 480

aagccgatgg agaagccgat ggttttag 507

<210> 27774

<211> 486

<212> DNA

<213> *Aspergillus nidulans*

<400> 27774

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gaggatgata agactaatgt ttctactgag cctgtcttct caaacattcc tcgtcgcggt 180

accgagacgg atgggagtcg ggcggcgcag agtccaacta gtccaagtgc taagcagcca 240
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gaacatttcc cgacccggag ccattctcct ggcgccggtc aggaccaagt cttcccggag 360
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cgatga 486

<210> 27775
<211> 408
<212> DNA
<213> Aspergillus nidulans

<400> 27775

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ttcctcaaga acaatacgca aaacaaaatg cgtgttggcg cgaaagccgc tgtctacgtc 180
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gacctcaaag tcaagcgtat cagcgcgct cacctacagc ttgccatccg tggagacgaa 300
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<210> 27776
<211> 906
<212> DNA
<213> Aspergillus nidulans

<400> 27776

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gccgtaacat cctggattaa gaaaaccagc tctaaaccgc tgaaggccgt ctttgtcagc 180
catcaccacc ctgaccactt cttctccgca aactcgatct ttgaggcctt cccggaagca 240
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aagtactggc cgtcagtggt cgagcggag aatgtccatg tcgcaccgcg acggcctgag 360

gcgttcgatt tcagcttctt cgttctgaac ggagaccccg ctagtcccgt tgtattgcta 420
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accccagcgc tgttggaggc atggaacaag accctccgtc taatcgccgc actgcaaccg 600
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<210> 27777
<211> 525
<212> DNA
<213> *Aspergillus nidulans*

<400> 27777

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tgctggcaat tatccgagat ccctaaccac gactacgac tgtcaaaaga ggatgacgaa 180
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gacaatgcgg ccaaactgat gcagatttta cgcaatgagc taccocgaga tgatccaatc 360
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ggcggtcggt ggaaggaggg tgtccgccga gcgcgctggg cgatcgagag cggctcggca 480
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<210> 27778
<211> 393
<212> DNA
<213> *Aspergillus nidulans*

<400> 27778

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gccaaaggcca gcaccaagtt cgctgaaaaa tactacaaga atgccgtctg cgccatgctc 240
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<210> 27779
<211> 465
<212> DNA
<213> Aspergillus nidulans

<400> 27779

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aatgacgggc agcaagcgaa acgacgctat cacacatcga gcgaaccgac cgctcaagcc 180
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<210> 27780
<211> 402
<212> DNA
<213> Aspergillus nidulans

<400> 27780

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tccgtattcc agaccctcct tcacaacttc gcgctagaac atagctcaac aatcaaata 180
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<210> 27781
 <211> 1662
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27781

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<211> 312
<212> DNA
<213> Aspergillus nidulans

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tgggacgctt ag 312

<210> 27783
<211> 249
<212> DNA
<213> Aspergillus nidulans

<400> 27783
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<210> 27784
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 <212> DNA
 <213> Aspergillus nidulans

<400> 27784

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<210> 27785
 <211> 1680
 <212> DNA
 <213> Aspergillus nidulans

<400> 27785

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<210> 27786
 <211> 375
 <212> DNA
 <213> *Aspergillus nidulans*

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 aggcacgaca actaa 375

<210> 27787
 <211> 414
 <212> DNA
 <213> Aspergillus nidulans

<400> 27787

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<210> 27788
 <211> 1452
 <212> DNA
 <213> Aspergillus nidulans

<400> 27788

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ggtgaggggt ga 1452

<210> 27789
<211> 1083
<212> DNA
<213> *Aspergillus nidulans*

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<212> DNA
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tgggggtccg aggcggcaga tcgtcgcggc tggtttgatc ggaccaagga cggggcgggg 240
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<210> 27791
<211> 423
<212> DNA
<213> *Aspergillus nidulans*

<400> 27791
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 tacatacgca gccagaagcg agtcaaggtt gacaaactcg gtatctgggg ttactcggct 360
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 taa 423

<210> 27792
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<400> 27792

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 <213> Aspergillus nidulans

<400> 27793

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<210> 27794
<211> 1194
<212> DNA
<213> Aspergillus nidulans

<400> 27794

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<210> 27795

<211> 312
 <212> DNA
 <213> Aspergillus nidulans

<400> 27795

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 <212> DNA
 <213> Aspergillus nidulans

<400> 27796

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<210> 27797
 <211> 1086
 <212> DNA
 <213> Aspergillus nidulans

<400> 27797

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<212> DNA
<213> Aspergillus nidulans

<400> 27798

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<210> 27799
 <211> 348
 <212> DNA
 <213> Aspergillus nidulans

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 <212> DNA
 <213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans
<400> 27801

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<210> 27802
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27802

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 <400> 27803

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<400> 27804

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<210> 27805
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 <212> DNA
 <213> Aspergillus nidulans

<400> 27805

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 <212> DNA
 <213> Aspergillus nidulans

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<210> 27807
 <211> 525
 <212> DNA

<213> Aspergillus nidulans

<400> 27807

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<210> 27808

<211> 624

<212> DNA

<213> Aspergillus nidulans

<400> 27808

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atccccgatt gtccgcagca atga 624

<210> 27809

<211> 474
 <212> DNA
 <213> Aspergillus nidulans

<400> 27809

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<210> 27810
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 <212> DNA
 <213> Aspergillus nidulans

<400> 27810

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<210> 27811
 <211> 705
 <212> DNA
 <213> Aspergillus nidulans

<400> 27811

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 cactcaccgt gggtgagagt acagcacgag gttccgcagg gcgacaaagg tgtcgctgcg 240
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<210> 27812
 <211> 618
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27812

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<210> 27813
 <211> 993
 <212> DNA

<213> Aspergillus nidulans

<400> 27813

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ggcacgttca atttacgcta ctggttcgac agcacctact accaaccggg cggtcccgtc 180
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<210> 27814

<211> 450

<212> DNA

<213> Aspergillus nidulans

<400> 27814

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gatccctacg ctatatccga cgactccgac gatgaggacc agatggccgc cattcgtgcg 180
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<210> 27815
 <211> 219
 <212> DNA
 <213> Aspergillus nidulans

<400> 27815

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 aacaagagca acgccagcaa cgccagcaac gccgactcca agaacaagga cgcagccctc 180
 cattacgagg ccatggctca ttacctagct ttccgataa 219

<210> 27816
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 <212> DNA
 <213> Aspergillus nidulans

<400> 27816

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705

<210> 27817
<211> 429
<212> DNA
<213> Aspergillus nidulans

<400> 27817

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tttgggctga gtgggtcatga gggctatctt tccgaccact ctgagatcaa ccgaggctcg 180
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<210> 27818
<211> 375
<212> DNA
<213> Aspergillus nidulans

<400> 27818

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gaagctaagg agaaggcggg cgaattgaag ggagacgcgg ctgagttggc gggcaaggca 300
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<210> 27819
<211> 318
<212> DNA
<213> Aspergillus nidulans

<400> 27819

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<210> 27820

<211> 675

<212> DNA

<213> *Aspergillus nidulans*

<400> 27820

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<210> 27821

<211> 933

<212> DNA

<213> *Aspergillus nidulans*

<400> 27821

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 <213> *Aspergillus nidulans*

<400> 27822

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<210> 27823
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27823

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<210> 27824

<211> 384

<212> DNA

<213> *Aspergillus nidulans*

<400> 27824

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<210> 27825

<211> 354

<212> DNA

<213> *Aspergillus nidulans*

<400> 27825

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<210> 27826
<211> 486
<212> DNA
<213> Aspergillus nidulans
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<210> 27827
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<212> DNA
<213> Aspergillus nidulans
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<210> 27828
<211> 384
<212> DNA
<213> Aspergillus nidulans

<400> 27828

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<210> 27829
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<212> DNA
<213> Aspergillus nidulans

<400> 27829

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<210> 27830
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<213> Aspergillus nidulans

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<210> 27832
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27832

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<210> 27833
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27833

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<210> 27834
 <211> 561
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27834

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<210> 27835
 <211> 309
 <212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 27835

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<210> 27836

<211> 615

<212> DNA

<213> Aspergillus nidulans

<400> 27836

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<210> 27837

<211> 846

<212> DNA

<213> Aspergillus nidulans

<400> 27837

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<210> 27838
 <211> 291
 <212> DNA
 <213> Aspergillus nidulans
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<210> 27839
 <211> 783
 <212> DNA
 <213> Aspergillus nidulans

<400> 27839

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<210> 27840

<211> 525

<212> DNA

<213> *Aspergillus nidulans*

<400> 27840

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525

<210> 27841
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<212> DNA
<213> Aspergillus nidulans

<400> 27841

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<210> 27842
<211> 831
<212> DNA
<213> Aspergillus nidulans

<400> 27842

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<210> 27843
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27843

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<210> 27844
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 27844

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<212> DNA
<213> *Aspergillus nidulans*
<400> 27845

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 <400> 27846

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<212> DNA
<213> Aspergillus nidulans
<400> 27847

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 <212> DNA
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<400> 27848

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 <213> *Aspergillus nidulans*
 <400> 27849

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 <212> DNA
 <213> Aspergillus nidulans

<400> 27851

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 <400> 27852

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<210> 27853
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27853

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<212> DNA
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<400> 27854

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 <212> DNA
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<400> 27855

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<400> 27856

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 <400> 27857

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 <213> *Aspergillus nidulans*

<400> 27858

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 <213> *Aspergillus nidulans*

<400> 27859

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 <213> *Aspergillus nidulans*

<400> 27860

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<210> 27861

<211> 1524

<212> DNA

<213> Aspergillus nidulans

<400> 27861

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<212> DNA
<213> Aspergillus nidulans

<400> 27862

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<212> DNA
<213> Aspergillus nidulans

<400> 27863

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<400> 27864

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<400> 27865
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<210> 27866
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 <400> 27868

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 <212> DNA
 <213> *Aspergillus nidulans*

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879

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<212> DNA
<213> Aspergillus nidulans

<400> 27871

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<211> 828
<212> DNA
<213> Aspergillus nidulans

<400> 27872

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<210> 27874
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27874

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 <400> 27875

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<400> 27876

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 <213> Aspergillus nidulans

<400> 27877

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<400> 27878

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<400> 27879

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 <213> Aspergillus nidulans

<400> 27891

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<400> 27892

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 <213> Aspergillus nidulans

<400> 27893

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 <213> *Aspergillus nidulans*

<400> 27894

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 <213> *Aspergillus nidulans*
 <400> 27895

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<400> 27896

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<213> Aspergillus nidulans

<400> 27897

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 <213> Aspergillus nidulans

<400> 27898

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<400> 27899

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 <213> *Aspergillus nidulans*

<400> 27900

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 <213> Aspergillus nidulans

<400> 27901

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<210> 27902
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 <212> DNA
 <213> Aspergillus nidulans

<400> 27902

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<210> 27903

<211> 1167

<212> DNA

<213> *Aspergillus nidulans*

<400> 27903

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<400> 27906

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<210> 27907
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 <213> Aspergillus nidulans

<400> 27907

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<212> DNA
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<400> 27909

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 <213> Aspergillus nidulans

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<210> 27912
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<400> 27912

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<211> 788

<212> DNA

<213> *Aspergillus nidulans*

<400> 27913

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27915

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<213>

Aspergillus nidulans

<400>

27916

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gcctcacgac aaacgtgaag atcctcgtcc gtcaacgata ggcgtcgata ccgtaacctt 420
gagcagtttc aatgcgcacg agaacgcat ctctctgcag cgcaactaca ccgagcgcca 480

acgccagtcc ctgcaactac agagccatcg cagcttccgg tccgcagtcg cgagtggctg 540
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gatgagcgag atcgagattg tgcgcgtaca aggggctccg tctgtgttac acggcgatgc 660
acttgctgca gcgcaaaagg ctggtttga taatatccag ctaagtctga gctatggtga 720
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<210> 27917
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27917
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taacctcatc cgcgcctctc gogtccttat gtacgagcag ccggctgggtg tacgcggaaa 180
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<210> 27918
<211> 794
<212> DNA
<213> *Aspergillus nidulans*

<400> 27918

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gccttgcgaa tggcgagggc gcggcaggag atgccccagt ttccccagcc acaagcggag 180
ccatggattc gctgctggag aaattacgtg ctgctgcccc tcaagccaag gatcagcgtg 240
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cagcagaacc gaaaaatttg tcaactttcta gccctccaaa tggagaagac ccgaccctaa 720
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<210> 27919

<211> 796

<212> DNA

<213> *Aspergillus nidulans*

<400> 27919

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gcccaacgca accctgaaag acctcgccca cgctgcttac ttcgaccgtg tcaacctttc 180
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caaaattccg ggcttccgtg acattccgca aatattcaac gtagtctcc ttaaggacgt 540
agagtgggag aacctgcgga cgatccagcg cagtagaggc gtcggcgagc caccgctttt 600
catgggcagc gggcggtttt tcgctattcg ggatgcactg aaggctgcc aagaaggagt 660
gggggttact gatgtgctga gtcttgtcag tccggctaca ccggagagaa ttagggttag 720
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<210> 27920
<211> 796
<212> DNA
<213> Aspergillus nidulans

<400> 27920
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tgaacgagac gaacagggtc gttcgaatta ttcgatgtgt gccgttaatc ccagccgaat 180
ctccaaaact ttaacgaac aggcctttca gtatgtcgtt gggaacatct ccgagcaaac 240
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tccaagcaaa ctggttgga agtacatacc caatgtgacg gcccgaccgt tcgagatcac 660
caaggaatac ttcgaggacg tataccggct cacgaactct cccaggatcg ctcatatcct 720
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<210> 27921
<211> 797
<212> DNA
<213> Aspergillus nidulans

<400> 27921

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tccgcactat ccaggctctc cacacctgcg gcattcttca cggcgacatc aaagccgaca 180
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tcgttgacaga ttggaaaaca ggggaacatg agtgcctga gatccgtgag atgagacctt 420
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tgaagagata ctgggaaaag gatattctggg ccgatgtttt tgatcttctt ttgaatccta 600
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tcctagtctc aatgcagcat ctccgtgaac ggatggaaag ttggctcgtt gaccatgctg 720
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<210> 27922

<211> 797

<212> DNA

<213> *Aspergillus nidulans*

<400> 27922

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aagcgtttga gcagtacaac aacttcacca agcagcgaga gacacttacc agtcgaaggg 180
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agcgggaggga ggacgatctt gagtcagagg atgaggaagc gaagcatagc gtggagaact 420
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 tttgcacgac cttccgacca gagatgctgc atgtcgccga gaagtgtac ggagttagct 720
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<210> 27923
 <211> 798
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27923
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 ggaaaccgac catcctacgt cgagctcgaa agcgaagtgc aatggcagga gactatgaag 180
 ttccttaaag tcgagtttcc cgtcgacatc acaaaccgcg aagcgtctta cgaaacccaa 240
 tacggcatta tcaggcgccc aactcactat aacacaagct gggatatggc taaattcgaa 300
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 gaagacgatg aggatattga tggatgacct gatatttcgc ttcccagctc aaaacggagc 720
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 cggaccgctc tcctgtag 798

<210> 27924
 <211> 798
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27924

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ttgcggatca agaagctaga ccggttggag gaaactacaa tcaacatgcg cgcccagtta 180
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tcaacagaga cttctaccga tgatggcggc catggacctc cttctgaacc tactaccggg 720
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<210> 27925

<211> 798

<212> DNA

<213> *Aspergillus nidulans*

<400> 27925

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gttcctgtca ttaacgggtg aaacggcagt gttgagcacc ccactcaggc gttccttgac 240
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cagcggggcag cctacttccg tctggtagt ctccaatccc gtggccctag tagtgagttc 720
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<210> 27926
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27926
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cgggtggccag ccgaagaggg gattgaaggc gaaggatgac gtgaatatat cggaccggag 240
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<210> 27927
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27927

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aatccactcc catcactaa 799

<210> 27928

<211> 799

<212> DNA

<213> *Aspergillus nidulans*

<400> 27928

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<210> 27929
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27929
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 cagtcgtct gcgcagtatt tcgccttgct gccagctat atttgcacac tgcagtgtta 180
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 tgacctgggt acggcgcgca tcatcaatgg gtctattgtc gaggtcgaga tgccatccga 300
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 gacgtatatg gtctccgtct ggatggtcgc caacgtgggt ctcgccatgg ctgtctctga 480
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 cagegccgct gggagctcgc tcgggacaaa gtcgaatgtg tcttacggca gcaaaggctt 720
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<210> 27930
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27930

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tggtgatga actggcccg ggaacggatg tggagaacgc tttagacgga attccatctg 180
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aggacattgc aaacactatg tctgtatcac aagggtcttc gggcgatgcg gacgaaggct 720
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<210> 27931
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27931

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<210> 27932
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27932

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agaaggacaa gggccacgaa gacggcgagg gagaattcga cagcagtaag atcacgatga 720
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27933

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catcaactat cccctggact tcattcctcc tccttgctgc gatttacggg ttacaagcaa 180
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<210> 27934

<211> 800

<212> DNA

<213> *Aspergillus nidulans*

<400> 27934

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 tggagctgga agacgtcaac ctaccgagcg acgacgcgat cctatcagag atccgtgaca 660
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<210> 27935
 <211> 800
 <212> DNA
 <213> Aspergillus nidulans

<400> 27935

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 acctcatgga gctggtcttg gttcgagacc tgtgcggtac gttctgcttc agtatgcagt 360
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<210> 27936
 <211> 800
 <212> DNA
 <213> Aspergillus nidulans

<400> 27936

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atcccaaacy tcgcaagtac ttccaacaat tcgccaacac tgacgagacg gtcgagaacg 180
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<211> 800

<212> DNA

<213> *Aspergillus nidulans*

<400> 27937

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caggcatggt caatcggcag cctacagaag acgaattcaa agatagcctt cagtccaaga 540
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 <212> DNA
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<400> 27938

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<400> 27939

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cctcctgcgc tctacctact ccaggcccgc gaggtcgcca acaaggagat tggagttgct 180
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gctgagaaca cccggatcat ttatggcggc tcagtgagtg agaagaactg caaagatctc 660
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<210> 27940

<211> 756

<212> DNA

<213> *Aspergillus nidulans*

<400> 27940

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ttttatttag caataatttt atttacagtt acttgaatga tgataacaat tataagaaat 180
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ttaatttgaa caataacacc agcatttatt ttaatactaa tagcattccc ttctttcaaa 300
ttattatatt taatggatga agtaatggat cttcttttag ttgtttatgc agaaggtcac 360
caatgatatt gaagttacca atatcctgat ttacaaaatg aagataatga gtttatagaa 420
tttgattcat atatagtacc agaaagtgat ttagaagaag gtcaatttag aatgtagag 480
gttgataata gagtaattat tccagaatta actcacacag catttgtaat ttctgcagat 540

gttatacatt catatgcttg tccatcttta ggtataaaag cggatgcata ccttggtaga 600
 ttaaatacaag catcagttta tataaatggt cctggaactt tcttcggaca atgttctgaa 660
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 ttcttattat gattaagaga tcaaattggaa ggataa 756

<210> 27941
 <211> 885
 <212> DNA
 <213> Aspergillus nidulans

<400> 27941

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 <212> DNA
 <213> Aspergillus nidulans

<400> 27942

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<212> DNA
<213> Aspergillus nidulans

<400> 27943

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 <213> *Aspergillus nidulans*

<400> 27944

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 ctacgcgatg accagctgga gaaagtgtgg gatttggtg acctggacgg agatggagaa 180
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<210> 27946
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 <213> *Aspergillus nidulans*

<400> 27946
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<400> 27947

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<400> 27952

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 <400> 27953

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 <213> Aspergillus nidulans

<400> 27955

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27956

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 <213> Aspergillus nidulans

<400> 27957

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<210> 27958

<211> 408

<212> DNA

<213> *Aspergillus nidulans*

<400> 27958

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<210> 27959

<211> 420

<212> DNA

<213> *Aspergillus nidulans*

<400> 27959

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<210> 27960

<211> 447

<212> DNA

<213> *Aspergillus nidulans* *

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<210> 27961

<211> 459

<212> DNA

<213> *Aspergillus nidulans*

<400> 27961

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 <213> Aspergillus nidulans

<400> 27962

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<210> 27963
 <211> 480
 <212> DNA
 <213> Aspergillus nidulans

<400> 27963

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<400> 27964

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<210> 27965
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<213> Aspergillus nidulans

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<210> 27966
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<212> DNA
 <213> Aspergillus nidulans
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<210> 27967
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 27967

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<210> 27968
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 <213> *Aspergillus nidulans*

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 <212> DNA
 <213> *Aspergillus nidulans*

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<212> DNA
<213> *Aspergillus nidulans*
<400> 27970

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<213> *Aspergillus nidulans*

<400> 27971

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<210> 27972
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<212> DNA
<213> *Aspergillus nidulans*

<400> 27972

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27973

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27974

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<210> 27975
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27975

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<210> 27976
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 27976

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<212> DNA
<213> *Aspergillus nidulans*

<400> 27977

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 <213> Aspergillus nidulans

<400> 27978

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<212> DNA
<213> Aspergillus nidulans

<400> 27979

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<212> DNA
<213> Aspergillus nidulans

<400> 27980

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<210> 27981

<211> 1317

<212> DNA

<213> *Aspergillus nidulans*

<400> 27981

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<400> 27996

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 <213> *Aspergillus nidulans*

<400> 27997

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<400> 27998

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<400> 28001

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<400> 28004

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<210> 28007
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<212> DNA
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<210> 28008
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<212> DNA
<213> Aspergillus nidulans

<400> 28008

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<210> 28009
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<212> DNA
<213> Aspergillus nidulans

<400> 28009

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<210> 28011
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<400> 28011

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<210> 28012

<211> 645

<212> DNA

<213> *Aspergillus nidulans*

<400> 28012

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 <213> *Aspergillus nidulans*

<400> 28013

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<210> 28014
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28014

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<210> 28015
<211> 804
<212> DNA
<213> *Aspergillus nidulans*

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<210> 28016
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<212> DNA
 <213> Aspergillus nidulans
 <400> 28016

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<210> 28017
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 <212> DNA
 <213> Aspergillus nidulans

<400> 28017

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<210> 28018
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28018
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<210> 28019
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28019

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<400> 28020

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<210> 28021
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 <212> DNA
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<210> 28022
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<400> 28022

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<210> 28023
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<400> 28023

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<210> 28024

<211> 969

<212> DNA

<213> *Aspergillus nidulans*

<400> 28024

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<210> 28025
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 <213> *Aspergillus nidulans*

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<210> 28026
<211> 990
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 28026

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gctaaggagg agagcaggga atacctgatc gatgagcagc cgacctggtg tgttgatcca 300
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990

<210> 28027
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<212> DNA
<213> Aspergillus nidulans

<400> 28027

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ttctacgccg tcaacatgg gatcaatgtg cagcgactct cgcagaagac caaggagt 180
catatgtcta tcacacctga ggaaaagtgg gaccttgcca ttcgtgccta caacaaagag 240
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gccgagcagt attactggga tgttttcggt ctctcttctg cactgctcaa gggctacgcc 480
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<210> 28028
<211> 1008
<212> DNA
<213> Aspergillus nidulans

<400> 28028

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 gtcacacacg acaacttcgg tatcatcgag ggtctgatga ccacgtcca ctctacact 540
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 gctaccaaca tcattcccctc ctccactggt gctgccaagg ctgtcggcaa ggtcattcct 660
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 aagaaggctt ctgagaacga gctcaagggc atccttggtc acaccgagga cgacatcgtc 840
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<210> 28029
 <211> 1047
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28029

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<210> 28030
<211> 1056
<212> DNA
<213> *Aspergillus nidulans*
<400> 28030

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gtcgctgcg gtgggtctgga caacatttgc tccatttaca atctttcctc acgagagggc 420
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 cacgagaacc gtgtcagctg ccttggtgtc agcaatgatg gcatcagtct ttgcaactgga 1020
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<210> 28031
 <211> 1059
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28031

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 tatcacgtcc agaccgtttt catgcaaccc gctcagatcg aaggcgacag cttgccctca 360
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 ttcacatgag ccacagacac gacacagatc cgatttgtca tggcagctgt aaatgatatt 1020

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1059

<210> 28032
<211> 1062
<212> DNA
<213> *Aspergillus nidulans*

<400> 28032

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<210> 28033
<211> 1071
<212> DNA
<213> *Aspergillus nidulans*

<400> 28033

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 aagacacagg cggagcttga acagctcttc agggagttgg agcaggtgat gaaacagcgc 180
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 gagattgtca tgctcaacac tcgtacggaa ttcgcgtacg ggctcgtaga agcccgggac 300
 ggggtgcacca ctgtttactg caaaaccccc aatggagcgc tacagggcca gaactgggac 360
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<210> 28034
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28034

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<210> 28035
 <211> 1098
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28035

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cgcgcatcgc gcattcccgt gaacacattt tcaaataag tctgacgct ttggtatcgt 660
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<210> 28036
 <211> 1131
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28036
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 cgtaacgggtg actggaatgt cgccgctgtt gctaagaacg agttcgacct tgagaacaag 480
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<210> 28037
<211> 1146
<212> DNA
<213> *Aspergillus nidulans*

<400> 28037
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gctgaactac gcttgaaagc gggaacgccc aatggcccgg ggaaacctag tcctataact 420
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<210> 28038
 <211> 1161
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 28038

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<400> 28039

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<400> 28041

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<400> 28042

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<400> 28043

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<400> 28045

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<400> 28046

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<400> 28047

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<212> DNA
<213> *Aspergillus nidulans*

<400> 28048

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<400> 28051

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<212> DNA
<213> *Aspergillus nidulans*

<400> 28053

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 <212> DNA
 <213> *Aspergillus nidulans*

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<400> 28055

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 <213> Aspergillus nidulans

<400> 28058

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<400> 28059

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<212> DNA
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<400> 28060

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28061
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28062

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 <213> *Aspergillus nidulans*

<400> 28063

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1719

<210> 28064
<211> 1722
<212> DNA
<213> *Aspergillus nidulans*

<400> 28064

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<210> 28065
<211> 1770
<212> DNA
<213> Aspergillus nidulans

<400> 28065

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<400> 28067

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<212> DNA
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<400> 28068

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 <212> DNA
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<400> 28069

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<213> Aspergillus nidulans

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<213> *Aspergillus nidulans*

<400> 28072

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 <211> 778
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 <213> Aspergillus nidulans

<400> 28094

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 <213> Aspergillus nidulans

<400> 28095

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<210> 28097
<211> 782
<212> DNA

<213> Aspergillus nidulans

<400> 28097

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<210> 28098

<211> 786

<212> DNA

<213> Aspergillus nidulans

<400> 28098

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<210> 28099
 <211> 786
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 28100
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<213> Aspergillus nidulans

<400> 28100

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<210> 28101

<211> 791

<212> DNA

<213> Aspergillus nidulans

<400> 28101

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<210> 28102

<211> 791

<212> DNA

<213> Aspergillus nidulans

<400> 28102

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<210> 28103

<211> 870

<212> DNA

<213> *Aspergillus nidulans*

<400> 28103

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<210> 28104
 <211> 966
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28104

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 <212> DNA
 <213> Aspergillus nidulans

<400> 28105

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 <212> DNA
 <213> Aspergillus nidulans

<400> 28106

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<210> 28107
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28107

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 aatctaaatt aagaaataaa agattacgtc gtagatatag aaaattatca acaaataaaa 240
 tttttatcag tgaaggtgag ttttaacata ctaatgataa aattaatata acattatatg 300

tatataataa acaaaaaacta aactatttag ctaaattaaa aaaaaaatat acaagcttat 360
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<210> 28108
 <211> 1358
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 28108

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 gcgcgcgctc aaggacatc cgtttgggat ccagaaggcc ggcactacct cgacttcctc 180
 tccgcatact ccgccgtcaa ccaaggtcac tgccatccca agctagttgc ggccctcgtc 240
 gaccaggcct cccgtctgac gctgagctcg cgggccttct ataacgatgt attccctaag 300
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<210> 28109
<211> 1447
<212> DNA
<213> Aspergillus nidulans
<400> 28109

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ttggctcaca aatcgttacc ctaatgcagg ctgtgatgtt ccagtcattg cgtatacgtg 180
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tggttggtgca gatacgctg gactccacga tcgcttcaag ggccgcgtta ttcacacggc 480

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 gcatgtacag gagtgggtga agcacacagt ttggagtgat caatgtcgca gctgtacgtt 1380
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<210> 28110
 <211> 1742
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28110

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 tcctctttcc cccatatccg ccgccttcag acgtcctcta cggacacaca agagcgtatt 180
 cccatccgta aacaactcaa gcaggaagcc aaagccataa aatctcggaa gcgagaacga 240
 cgagaacagg aggaagcttc tcggcataag tgggagttga ctgtgggagt ggagatacat 300
 gcgcagttga atacagagac gaagctcttc tcaagagcac cgacctcacc ctccgaactt 360

cccaacacca acgttgcctc gtccgacctc gcgtttcccg gcagtcaacc ggaattccaa 420
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 gacacggcga aatcgcaaga atacctcca tccatgcagc tctcgtattt caaccgtggt 720
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<210> 28111
 <211> 298
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28111

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aaattatgtg gttacaattt cacaaatttt aggtaatgat ttagaaagta gattagctaa 180
taaagtatta caagattatg tttttaatag cttaagttta ccaaataaat ataattttat 240
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<210> 28112

<211> 385

<212> DNA

<213> *Aspergillus nidulans*

<400> 28112

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aaagaacgcg aagctggcca cctcggcggc cttcgccaaag caggctgaag gcaccacctg 120
caatgtcggc tcgatcgctt gctgcaactc ccccgctgag accaacaacg acagtctgtt 180
gagcgggtctg ctcggtgctg gccttctcaa cgggctctcg ggcaaacactg gcagcgctg 240
cgccaaggcg agcttgattg accagctggg tctgctcgtc ctcgctgacc aactgagga 300
aggccccgtc tgcaagaaca tcgtcgcttg ctgccctgag ggaaccacca actgtgttgc 360
cgtcgacaac gctggcgccg gtacc 385

<210> 28113

<211> 392

<212> DNA

<213> *Aspergillus nidulans*

<400> 28113

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ccaaggctgc ccgtaaggcc gtcacctcca ctggaggtgt caagaagcct caccgctaca 120
agcctggtac cgtcgctctc cgtgagatcc gtcgctacca gaagtccact gagcttctga 180
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aggacatcca gcttgctcgt cgctccgtg gt

392

<210> 28114
<211> 412
<212> DNA
<213> *Aspergillus nidulans*

<400> 28114

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caagcgccag caaccctcca tgatccaggc ctccgctcgc caggccttcg ctgcccgcgc 180
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cctccttgcg gtgtcccgca accctgctct ccgtggccag ctcttctcct atgccattct 360
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<210> 28115
<211> 439
<212> DNA
<213> *Aspergillus nidulans*

<400> 28115

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<210> 28116
<211> 447
<212> DNA
<213> *Aspergillus nidulans*

<400> 28116

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cgaaaacgtg accgtcaagc aggcctccga caagtgcggc gaccaggccc agctctcttg 180

ctgcaacaag gccacgtacg ccggtgacac cacaaccgtt gatgaggggc ttctgtcttg 240

tgcctcagc ggctcatcg gcgcggggtc tggcgccgaa ggtcttggtc tcttcgatca 300

gtgtccaag cttgatgttg ctgtcctcat tggcatccaa gatcttgtca accagaagtg 360

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<210> 28117

<211> 534

<212> DNA

<213> *Aspergillus nidulans*

<400> 28117

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tggctacca tgcgaaatgt tgcgcgcctc atgaaattag cattgccaga gaatgcaaag 180

attgcaaaag aagctaaaga atgcatgcaa gaatgcgtga gcgaattcat ctcttttatt 240

actagcgagg cttccgaaaa atgtcaacag gaaaaacgca agacagtcaa tggagaggac 300

atcctgtttg ctatgacctc gcttggcttt gaaaactatg ctgaggccct caaatctat 360

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agtgggtatg ccggggggga cccgtcggcg gagctgccag cggcccttca gtcgtgcgtg 480

ccgggggtgc tgcagctgga ggcccttcc ccgaagctc tgataatgca ggca 534

<210> 28118

<211> 534

<212> DNA

<213> *Aspergillus nidulans*

<400> 28118

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 gcggcatgct gcggggcgcc ggcttcaagc acgggaactg gcatgacgtg ggtttctggc 480
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<210> 28119
 <211> 554
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 28119

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<210> 28120
 <211> 576
 <212> DNA
 <213> Aspergillus nidulans
 <400> 28120

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<210> 28121
 <211> 636
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28121
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<210> 28122
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28122

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accactttga cgcattggtc cagcttggca tgactcttgg aactcacaac taccagattg 600
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<210> 28123

<211> 769

<212> DNA

<213> *Aspergillus nidulans*

<400> 28123

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gaacctgcgg atgtggagaa gcatgtccgg caacagcttg aggatcagtc tgtcacgagc 600
gttgatggag ttgtcgtgcc gctgccgatt aaagattatg atgtgtccat ttgttgtcat 660

tccgattcgc ctggctgtct tgaaatcatc aagacaacga agaaagtggg ggacgaattc 720
aataagaagt atggattttg aacgattgcg tacatttcac tcaatctaa 769

<210> 28124
<211> 781
<212> DNA
<213> Aspergillus nidulans

<400> 28124

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<212> DNA
<213> Aspergillus nidulans

<400> 28125

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<400> 28127

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<400> 28128

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<400> 28129

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<213> *Aspergillus nidulans*

<400> 28130

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<400> 28131

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<212> DNA
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<400> 28134

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<212> DNA

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<212> DNA

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<400> 28143

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<210> 28155
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<212> DNA
<213> Aspergillus nidulans

<400> 28155

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<210> 28157
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 28157

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<212> DNA
<213> Aspergillus nidulans

<400> 28158

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<400> 28159

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<400> 28160

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<400> 28162

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<212> DNA
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<400> 28163

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<400> 28164

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